



CHRONOS RING



Chronos Ring of high speed cameras

The Chronos Ring is a world's first, a bullet time array of high speed Chronos cameras that are synchronized for sequential recording and 360-degree high-speed vision

Kron Technologies Inc, the Canadian manufacturer of the Chronos 1.4 and Chronos 2.1-HD cameras has developed the Chronos Ring to offer full 3D and volumetric measurement of high-speed events.

Because of its full control over space and time, the Chronos Ring is made to serve the film, broadcasting industry and sport to showcase slow motion from any perspective at any time.

The Chronos Ring is currently available in different configurations:

- Ring of 3m diameter - up to 48 cameras taking 100,000 fps
- Ring of 6m diameter - up to 96 cameras taking 2,000,000 fps at reduced resolution
- Customize the design to your specifications any size, shape and type

Key features

- ▶ 360 motion capture at ultra high speed
- ▶ Aggregate record rate beyond 2,000,000 fps
- ▶ Video alignment & post processing with DaVinci Resolves and our interface
- ▶ Need Python and fast set of SSD to handle data
- ▶ 260 GB/s with 96 cameras
- ▶ Requires fast network of 10Gb/s links
- ▶ Synchronized, orbiting, staggered and custom recording modes
- ▶ Personalized support for your project
- ▶ Available for rental or purchase

More information

Chronos Rings availability	3m and 6m Rings of Chronos 1.4: AVAILABLE NOW 3m and 6m Ring of Chronos 2.1-HD: AVAIL. NOV 2019 Custom Ring to your own project: AVAILABLE ANY TIME
Equipment required	Power control switch boxes, network switches, amplifier box, server, high capacity external storages, tripod heads, HDMI monitor, mount for desk, BNC, Ethernet, audio and coax cables.
Truss system dimensions	Width & Length: Size of the ring plus 1m Height: At least 3m, 4-5m preferred
Operating space available inside the ring for recording	1.5m total vertical space with a 6m Chronos Ring

Can you tell us more about the cameras used?

The two current Chronos Rings available use the Chronos 1.4 cameras only (Chronos 2.1-HD should be available from November 2019). The Chronos 1.4 camera is capable of 1,057 fps at 720p. The Chronos 2.1-HD offers 1,000 fps at 1080p. Each model offer CinemaDNG and h264 save formats. The Chronos 1.4 camera use C mount lenses while the Chronos 2.1-HD will be able to mount EF, F, PL, MFT lenses.

Aside of capturing live footage, can we do photogrammetry as well or any other data extraction?

Yes, photogrammetry or stereoscopic images can be done by grouping two or more cameras.

What services do you offer?

Our services include production, shipment, installation, set up and adaptation of the control software to your needs.

I am interested, what's next?

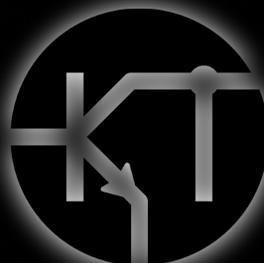
The Chronos Ring is available for rental and purchase. For rental, you can use it directly at our facility in Burnaby (BC), Canada or have it installed at your location by our team. Lead time for a Chronos Ring purchase is about 3 month from order to installation.

For more information, please email thomas@krontech.ca or call us at 778-819-1182.

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